

I CLAIM:

1. A hand tool comprising:

5 a handle which includes front and rear segments opposite to each other in a longitudinal direction, and an intermediate segment interposed between said front and rear segments, and which has a passage extending through said front, intermediate and rear segments along a first axis in the longitudinal direction, said intermediate segment having an access opening which extends in a direction radial to the first axis to be communicated with said passage so as to form an accommodation cavity, and an operating hole which is formed therethrough and opposite to said access opening in the radial direction and which is communicated with said accommodation cavity, said intermediate segment having front and rear retaining walls which are spaced apart from each other in the longitudinal direction to define a crossing path along the first axis;

10 a cassette member which is configured to be insertable through said access opening into said accommodation cavity, which is retained between and which is rotatable relative to said front and rear retaining walls about a second axis that is oriented in the longitudinal direction and offset from the first axis, and which has a plurality of storage chambers that are adapted to receive a plurality of tool bits, respectively, and that are displaced angularly from one another about the second axis such that when said cassette member is rotated about the second axis, said storage chambers

are successively brought into said crossing path to have a selected one of said storage chambers in line with said passage, thereby placing a corresponding selected one of the tool bits in a standby position;

5 a shank which includes an engaging head and a gripped end opposite to each other in the longitudinal direction, and which is disposed in said passage to be displaceable among a used position, where said engaging head engagingly pushes the selected one of the tool bits, and extends outwardly of
10 said front segment, a retracted position, where said engaging head retreats into said passage of said rear segment, thereby leaving the selected one of the tool bits behind in the selected one of said storage chambers, and a pick-up position, where said engaging head extends into the selected one of
15 said storage chambers to pick up the selected one of the tool bits for subsequent forward movement to the used position or for subsequent rearward movement to the retracted position; and

20 a handgrip which is configured to engage said gripped end, and which is disposed rearwardly of and which is movable relative to said rear segment in the longitudinal direction to thereby bring said shank to one of the used, pick-up and retracted positions.

2. The hand tool of Claim 1, wherein said passage at said front
25 segment of said handle has a non-circular cross-section to be adapted to conform with a cross-section of each of the tool bits, said engaging head of said shank having a magnet provided

thereon and facing forwards so as to be adapted for magnetic attraction with the selected one of the tool bits in the standby position.

3. The hand tool of Claim 2, wherein said handgrip is in a spline engagement with said rear segment of said handle so as to rotate said rear segment while permitting movement of said handgrip relative thereto along the first axis.
4. The hand tool of Claim 3, further comprising a retaining member disposed to retain said shank relative to said handle when said shank is in the retracted position so as to prevent rearward movement of said shank.
5. The hand tool of Claim 4, wherein said rear segment of said handle has a mounting recess extending from said passage in a direction radial to the first axis, said retaining member including a slot which is formed in said engaging head, a latch which is disposed in said mounting recess, which is movable in the radial direction, and which has an end configured to engage said slot when said shank is in the retracted position so as to prevent the rearward movement of said shank, and a biasing member which is disposed in said mounting recess to bias said latch towards said slot.
6. The hand tool of Claim 1, further comprising an actuating member including a button which is disposed in said operating hole and which is depressable in the radial direction towards said access opening so as to push said cassette member in the radial direction to thereby facilitate removal of said cassette member from said accommodation cavity, and a biasing

member which is disposed to bias said button away from said accommodation cavity.

7. The hand tool of Claim 1, wherein said cassette member includes

an abutment seat having an engaging part which frictionally engages said front retaining wall to prevent rotation of said engaging part relative thereto about the second axis, and a stem which extends from said engaging part along the second axis, said engaging part having an eccentric through hole relative to the second axis that is in line with said passage,

a cylindrical body having an outer periphery which surrounds the second axis, and an axial mounting hole for mounting rotatably said cylindrical body on said stem, said storage chambers being formed between said outer periphery and said axial mounting hole and which extend in the longitudinal direction such that the selected one of said storage chambers is in line with said eccentric through hole, and

a biasing member disposed to bias said cylindrical body towards said abutment seat.

8. The hand tool of Claim 7, wherein said cassette member further

includes a protrusion formed on and projecting rearwardly from said engaging part, and a plurality of slots formed in said outer periphery of said cylindrical body and angularly displaced from one another about the second axis such that said protrusion is brought to engage a selected one of said slots by biasing action of said biasing member so as to position the selected one of said storage chambers in said crossing path.

9. The hand tool of Claim 8, wherein said cassette member further includes a magnet which is disposed in said axial mounting hole and which has an outer peripheral wall exposed to said storage chambers so as to be adapted for magnetic attraction with the tool bits received in said storage chambers.